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A.D. 1858, *8th JULY.* N° 1540.

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S P E C I F I C A T I O N

OF

RICHARD JEX CRICKMER.

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TREATING SEWAGE.

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LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,

PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY :

PUBLISHED AT THE GREAT SEAL PATENT OFFICE,

25, SOUTHAMPTON BUILDINGS, HOLBORN.

1859.





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### Treating Sewage.

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*(This Invention received Provisional Protection, but notice to proceed with the application for Letters Patent was not given within the time prescribed by the Act.)*

PROVISIONAL SPECIFICATION left by Richard Jex Crickmer at the Office of the Commissioners of Patents, with his Petition, on the 8th July 1858.

I, RICHARD JEX CRICKMER, of the Borough Road, in the County of Surrey,  
5 Civil and Mechanical Engineer, do hereby declare the nature of the said Invention for "IMPROVEMENTS IN TREATING THE SEWAGE OF LONDON AND NEIGHBOURHOOD," to be as follows:—

My Invention consists in separating the more solid from the liquid portions of the London sewage, and in running off the liquid portions down through  
10 the blue clay and sand into the water strata of the great London basin, well known to geologists, as hereafter described. I block up all outlet from the sewers and drains into the Thames, and form at convenient places below the sewers, pits for the reception and temporary retention of the more solid parts of the sewage. I cause the solid portions to be precipitated therein if  
15 necessary, by lime or other chemical agent, and apply or not any deodorizing matter. Beyond these pits I form horizontal filters, through which the liquid will pass, if necessary, by pressure or suction, and will enter a second precipitating pit, in which any remaining heavy portions held in the liquid may be precipitated; or instead of entering this liquid pit, I pass the liquid directly  
20 into a shaft extending downwards into the water strata of the great London basin. In this shaft I fit cylinders or plates to keep out the surface and



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*Crickmer's Improvements in Treating the Sewage of London and Neighbourhood.*

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spring waters, and provide the same or some of them with valves, cocks, or sluices, for the purpose hereafter named. At some feet above the water level in the London basin, I place in the shaft pebbles or other filtering medium, if found necessary, and adopt any suitable means of cleansing the same from time to time. For the purpose of cleansing this shaft I open the valves or 5 sluices above alluded to, and scour the shaft with the surface waters.

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